

FORM PTO-1449

INFORMATION DISCLOSURE CITATION

Attorney Docket:
4024-4011US2

Serial No.:

~~To Be Assigned~~ 10/817190

Applicant:

Keith Kang and John Trezza

Filing Date:

April 2, 2004

Group Art Unit:

~~To Be Assigned~~ 2839

U.S. PATENT DOCUMENTS

Examiner Initial	Patent Number	Issue Date	Name	Class	Sub-Class	Filing Date
kn	3,825,318		Croset et al.			August 10, 1972
	4,230,385		Ammon et al.			February 6, 1979
	4,744,627		Chande et al.			November 3, 1986
	4,966,432		Okada et al.			October 30, 1990
	5,175,928		Grabbe			January 5, 1993
	5,214,730		Nagasawa et al.			May 7, 1992
	5,259,052		Briggs et al.			February 11, 1991
	5,379,361		Maekawa et al.			January 3, 1995
	5,400,429		Ames et al.			August 8, 1994
	5,473,716		Lebby et al.			December 5, 1995
	5,579,426		Li et al.			November 26, 1996
	5,613,024		Shahid			December 21, 1995
	5,664,039		Grinderslev et al.			September 2, 1997
	5,671,311		Stillie et al.			October 9, 1996
	5,743,785		Lundberg et al.			April 4, 1996
	5,761,350		Koh			June 2, 1998
kn	5,853,626		Kato			October 15, 1997

FOREIGN PATENT DOCUMENTS

Examiner Initial	Patent Number	Publication Date	Country	Class	Sub-Class	Translation

OTHER DOCUMENTS

kn	Ayliffe, M.H., "Optomechanical, electrical and thermal packaging of large 2D optoelectronic device arrays for free-space optical interconnects", <i>SPIE</i> , Vol. 3490, pages 502-505.
----	--

Examiner

K. NGUYEN

Date Considered

7/27/04

EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP §609.

Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to Applicant.

Express Mail Label No. EU064955102US

FORM PTO-1449 INFORMATION DISCLOSURE CITATION	Attorney Docket:	Serial No.:
	4024-4011US2	To Be Assigned
	Applicant:	
	Keith Kang and John Trezza	
Filing Date:		Group Art Unit:
April 2, 2004		To Be Assigned

U.S. PATENT DOCUMENTS						
Examiner Initial	Patent Number	Issue Date	Name	Class	Sub-Class	Filing Date
Kn	6,174,424		Wach et al.			January 16, 2001
	6,324,316		Fouquet et al.			April 14, 2000
	6,379,053		van Doorn			May 30, 2000
	6,442,306		Dautartas et al.			December 21, 1999
	6,246,813		Zheng			Mach 1, 1999
	6,292,529		Marcovici et al.			September 18, 2001
	6,328,482		Jian			December 11, 2001
Kn	Pub. No. US2001/0051026		Steinberg et al.			December 13, 2001

FOREIGN PATENT DOCUMENTS						
Examiner Initial	Patent Number	Publication Date	Country	Class	Sub-Class	Translation

OTHER DOCUMENTS	
Kn	Basavanhally, N.R. et al., "Optoelectronic Packaging of Two-Dimensional Surface Active Devices", <i>IEEE Transactions On Components, Packaging, And Manufacturing Technology - Part B</i> , Vol. 19, No. 1, pages 107-114, 1996.
Kn	Boisset, G.C. et al., "On-Die Diffractive Alignment Structures for Packaging of Microlens Arrays with 2-D Optoelectronic Device Arrays", <i>IEEE Photonics Technology Letters</i> , Vol. 8, No. 7, pages 918-920, July 1996.
Kn	Cryan, C.V., "Two-dimensional multimode fibre array for optical interconnects", <i>IEEE Electronic Letters Online No.</i> 19980073, October 23, 1997.
Kn	Giboney, K.S., "Parallel-Optical Interconnect Development at HP Laboratories", <i>SPIE</i> , Vol. 3005, pages 193-201, February 1997.
Kn	Hall, J.P. et al., "Packaging of VCSEL, MC-LED and Detector 2-D Arrays", Electronic Components and Technology Conference, pages 778-782, 1998.

Examiner	<i>Knguyen</i>	Date Considered	7/27/04
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.			

Express Mail Label No. EU064955102US

FORM PTO-1449 INFORMATION DISCLOSURE CITATION	Attorney Docket:	Serial No.:
	4024-4011US2	To Be Assigned
	Applicant:	
	Keith Kang and John Trezza	
	Filing Date:	Group Art Unit:
	April 2, 2004	To Be Assigned

OTHER DOCUMENTS (continued)

ku	Hayashi T. and Tsunetsugu H, "Optical Module with MU Connector Interface Using Self-alignment Technique by Solder-bump Chip Bonding", Electronic Components and Technology Conference, page 13-19, 1996.
	Ishida, H. et al., "Two-dimensionally arranged 24-fiber optical connectors", <i>OFC '97 Technical Digest</i> , pages 189-190, 1997.
	Jöhnck M. et al., "8X* Pof Based Interchip Interconnection with 2.5 Gbit/s Per Channel Data Transmission", <i>ECOC '98</i> , pages 35 and 36, 20-24 September 1998.
	Kosaka, M. et al., "Plastic-Based Receptacle-Type VCSEL-Array modules with One and Two Dimensions Fabricated using the self-Alignment Mounting Technique," <i>IEEE Electronic Components and Technology Conference</i> , pp. 382 - 390 (1997).
	Koyabu, K. et al., "Fabrication of Two-Dimensional Fiber Arrays Using Microferrules", <i>IEEE</i> , pages 11-19, 1998.
	Lee, S.S., et al. "Self-Aligned Integration of 8 x 1 Micromachined Micro-Fresnel Lens Arrays And 8 x1 Vertical Cavity Surface Emitting Laser Arrays For Free-Space Optical Interconnect", <i>IEEE</i> , pages 31.2.1- 31.2.4, 1994.
	Liu, Yongsheng et al., "Design, implementation, and characterization of a hybrid optical interconnect for a four-stage free-space optical backplane demonstrator", <i>Applied Optics</i> , Vol. 37, No. 14, pages 2895-2911, 10 May 1998.
	Maj, T. et al., "Interconnection of a two-dimensional array of vertical-cavity surface-emitting lasers to a receiver array by means of a fiber image guide", <i>Applied Optics</i> , Vol. 39, No. 5, pages 683-689, February 10, 2000.
	McCormick, F.B., "Smart Pixel Optics and Packaging", <i>IEEE/LEOS Summer Topical Meeting: Smart Pickels</i> , pages 45 and 46, August 1996.
	Ohki, A. et al., "Multi-channel optical coupling between VCSEL arrays and multimode optical fibers for a 40-channel parallel optical interconnection module", <i>IEEE</i> , pages 47 and 48, 1998.
	G. Proudley, et al., "Fabrication of two dimensional fiber optic arrays for an optical crossbar switch," <i>Optical Engineering</i> , Vol 33, #2, pp. 627-635 , February 1994.
	Sasian, J. et al., "Fabrication of fiber bundle arrays for free-space photonic switching systems", <i>Optical Engineer</i> , Volume 33, No. 9, pages 2979-2985, September 1994.
ku	Söchtig, J. et al., "Replicated Plastic Optical Components for Optical Micro Systems", <i>IEEE</i> , pages 37 and 38, 1998.

Examiner	K. Nguyen	Date Considered	7/27/04
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.			

Express Mail Label No. EU064955102US

FORM PTO-1449 INFORMATION DISCLOSURE CITATION	Attorney Docket:	Serial No.:
	4024-4011US2	To Be Assigned
	Applicant:	
	Keith Kang and John Trezza	
	Filing Date:	Group Art Unit:
	April 2, 2004	To Be Assigned

OTHER DOCUMENTS (continued)	
<i>km</i>	Tooley, F., "Challenges in Optically Interconnecting Electronics", <i>IEEE Journal Of Selected Topics In Quantum Electronics</i> , Vol. 2, No. 1, pages 3-13, April 1996.

Examiner	<i>Nguyen</i>	Date Considered	<i>7/27/04</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.			

Express Mail Label No. EU064955102US